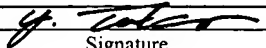


Express Mail No.: EV320117559US. I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
March 18, 2004	Yuko Tanaka		March 18, 2004
Date Mailed	Name	Signature	Date

Attorney's Docket No: 005510.P032C4

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:)	
)	
Balakrishnan et al.)	Examiner: Not Yet Assigned
)	
Serial No: Not Yet Assigned)	Art Unit: Not Yet Assigned
)	
Filing Date: Concurrently herewith)	
)	
For: OFF-LINE CONVERTER WITH DIGITAL)	
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Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir/Madam:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

XX 37 C.F.R. §1.97(b).

_____ 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

_____ A statement pursuant to 37 C.F.R. §1.97(e) or

_____ A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

_____ 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

(1) A statement pursuant to 37 C.F.R. §1.97(e); and

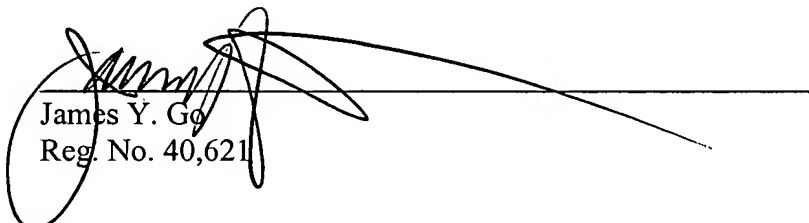
(2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 3-18-04


James Y. Go
Reg. No. 40,621

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026
(206) 292-8600

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>					Complete if Known	
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					Art Unit	Not Yet Assigned
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	1.	US-	3,491,252	01-20-1970	Petrohilos	
	2.	US-	3,555,399	01-12-1971	Buchanan et al.	
	3.	US-	3,840,797	10-08-1974	Aggen et al.	
	4.	US-	3,916,224	10-28-1975	Daniels et al.	
	5.	US-	4,058,758	11-15-1977	Peterson	
	6.	US-	4,072,965	02-07-1978	Kondo	
	7.	US-	4,143,282	03-06-1979	Berard, Jr. et al.	
	8.	US-	4,228,493	10-14-1980	de Sartre et al.	
	9.	US-	4,236,198	11-25-1980	Ohsawa et al.	
	10.	US-	4,378,585	03-29-1983	Bete	
	11.	US-	4,400,767	08-23-1983	Fenter	
	12.	US-	4,481,564	11-06-1984	Balaban	
	13.	US-	4,495,554	01-22-1985	Simi et al.	
	14.	US-	4,559,590	12-17-1985	Davidson	
	15.	US-	4,573,112	02-25-1986	Numata et al.	
	16.	US-	4,622,627	11-11-1986	Rodriguez et al.	
	17.	US-	4,695,936	09-22-1987	Whittle	
	18.	US-	4,706,176	11-10-1987	Kettschau	
	19.	US-	4,706,177	11-10-1987	Josephson	
	20.	US-	4,720,641	01-19-1988	Faini	
	21.	US-	4,725,769	02-16-1988	Cini et al.	
	22.	US-	4,734,839	03-29-1988	Barthold	
	23.	US-	4,737,898	04-12-1988	Banfalvi	
	24.	US-	4,739,462	04-19-1988	Farnsworth et al.	
	25.	US-	4,761,724	08-02-1988	Brown et al.	
	26.	US-	4,800,323	01-24-1989	Sikora	
	27.	US-	4,806,844	02-21-1989	Claydon et al.	
	28.	US-	4,809,148	02-28-1989	Barn	
	29.	US-	4,811,184	03-07-1989	Koninsky et al.	
	30.	US-	4,814,674	03-21-1989	Hrassky	

Examiner Signature	Date Considered
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Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number	Not Yet Assigned	
				Filing Date	Concurrently herewith	
				First Named Inventor:	Balu Balakrishnan et al.	
				Art Unit	Not Yet Assigned	
				Examiner Name	Not Yet Assigned	
Sheet	2	of	5	Attorney Docket Number	005510.P032C4	
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
	31.	US-	4,858,094	08-15-1989	Barlage	
	32.	US-	4,862,339	08-29-1989	Inou et al.	
	33.	US-	4,866,590	09-12-1989	Odaka et al.	
	34.	US-	4,870,555	09-26-1989	White	
	35.	US-	4,887,199	12-12-1989	Whittle	
	36.	US-	4,888,497	12-19-1989	Dallabora et al.	
	37.	US-	4,890,210	12-26-1989	Myers	
	38.	US-	4,928,220	05-22-1990	White	
	39.	US-	4,937,728	01-26-1990	Leonardi	
	40.	US-	4,942,508	07-17-1990	Nakamura	
	41.	US-	4,943,903	07-24-1990	Cardwell, Jr.	
	42.	US-	5,012,399	04-30-1991	Takemura et al.	
	43.	US-	5,012,401	04-30-1991	Barlage	
	44.	US-	5,014,178	05-07-1991	Balakrishnan	
	45.	US-	5,034,871	07-23-1991	Okamoto et al.	
	46.	US-	5,041,956	08-20-1991	Marinus	
	47.	US-	5,063,491	11-05-1991	Shigeo	
	48.	US-	5,072,353	12-10-1991	Feldtkeller	
	49.	US-	5,086,364	02-04-1992	Leipold et al.	
	50.	US-	5,140,513	08-18-1992	Yokoyama	
	51.	US-	5,146,394	09-08-1992	Ishii et al.	
	52.	US-	5,161,098	11-03-1992	Balakrishnan	
	53.	US-	5,177,408	01-05-1993	Marques	
	54.	US-	5,184,290	02-02-1993	Ozawa et al.	
	55.	US-	5,200,886	04-06-1993	Schwarz et al.	
	56.	US-	5,260,861	11-09-1993	Wert	
	57.	US-	5,289,101	02-22-1994	Furuta et al.	
	58.	US-	5,297,014	03-22-1994	Saito et al.	
	59.	US-	5,313,381	05-17-1994	Balakrishnan	
	60.	US-	5,333,104	07-26-1994	Tamura et al.	

Examiner Signature		Date Considered	
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					First Named Inventor:	Balu Balakrishnan et al.
					Art Unit	Not Yet Assigned
					Examiner Name	Not Yet Assigned
Attorney Docket Number	005510.P032C4					
Sheet	3	of		5		
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
	61.	US-	5,394,017	02-28-1995	Catano et al.	
	62.	US-	5,414,340	05-09-1995	Gannon	
	63.	US-	5,452,195	09-19-1995	Lehr et al.	
	64.	US-	5,461,303	10-24-1995	Leman et al.	
	65.	US-	5,475,579	12-12-1995	John et al.	
	66.	US-	5,481,178	01-02-1996	Wilcox et al.	
	67.	US-	5,508,602	04-16-1996	Borgato et al.	
	68.	US-	5,528,131	06-18-1996	Marty et al.	
	69.	US-	5,552,746	09-03-1996	Danstrom	
	70.	US-	5,563,534	10-08-1996	Rossi et al.	
	71.	US-	5,568,084	10-22-1996	McClure et al.	
	72.	US-	5,570,057	10-29-1996	Palara	
	73.	US-	5,572,156	11-05-1996	Diazzi et al.	
	74.	US-	5,610,803	03-11-1997	Malik	
	75.	US-	5,617,016	04-01-1997	Borghi et al.	
	76.	US-	5,619,403	04-08-1997	Ishikawa et al.	
	77.	US-	5,621,629	04-15-1997	Hemminger et al.	
	78.	US-	5,625,279	04-29-1997	Rice et al.	
	79.	US-	5,631,810	05-20-1997	Takano	
	80.	US-	5,636,109	06-03-1997	Carroll	
	81.	US-	5,640,312	06-17-1997	Carroll	
	82.	US-	5,640,317	06-17-1997	Lei	
	83.	US-	5,675,485	10-07-1997	Seong	
	84.	US-	5,729,448	03-17-1998	Haynie et al.	
	85.	US-	5,786,990	07-28-1998	Marrero	
	86.	US-	6,104,622	08-15-2000	Shin	

Examiner Signature		Date Considered	
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Sheet	4	of	5			
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		US-				
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	87.	WO	83/01157	03-31-1983	GOULD INC.		
	88.	EP	0 651 440 A1	05-03-1995	SGS-THOMSON MICROELECTRONICS s.r.l.		
	89.	EP	0 694 966 A1	01-31-1996	SGS-THOMSON MICROELECTRONICS s.r.l.		
	90.	EP	0 736 957 A1	10-09-1996	SGS-THOMSON MICROELECTRONICS s.r.l.		
	91.	EP	0 740 491 A1	10-30-1996	CO.RI.M.ME and SGS-THOMSON MICROELECTRONICS s.r.l.		
	92.	EP	0 748 034 B1	02-02-2000	STMicroelectronics s.r.l.		
	93.	EP	0 748 035 A1	12-11-1996	SGS-THOMSON MICROELECTRONICS S.A.		
	94.	EP	0 751 621 B1	04-15-1998	SGS-THOMSON MICROELECTRONICS s.r.l.		

Examiner Signature		Date Considered	
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Sheet	5	of	5	Attorney Docket Number	005510.P032C4
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	95.	BOWEN, A.J. et al., "Power Supply with Optical Isolator," IBM Technical Disclosure Bulletin, Vol. 14, No. 11, April 1972, p. 3220			
	96.	HOFFMAN, Jr., H.S., "Self-Generated Bias Supply," IBM Technical Disclosure Bulletin, Vol. 20, No. 5, October 1977, pp. 1814-1815			
	97.	HALPERIN, A., "Primary Regulated Dual Power Supply," IBM Technical Disclosure Bulletin, Vol. 21, No. 10, March 1979, pp. 4299-4300			
	98.	HOFFMAN, Jr., H.S. et al., "Proportional Drive Supply with Diversion Control," IBM Technical Disclosure Bulletin, Vol. 21, No. 12, May 1979, pp. 4904-4905			
	99.	AZZIS, D. et al., "Flyback on Card Power Supply," IBM Technical Disclosure Bulletin, Vol. 23, No. 4, September 1980, pp. 1477-1478			
	100.	BRUCKNER, R. et al., "Optimizing Converter Design and Performance Utilizing Micro Controller System Feedback and Control," Proceedings of Powercon 8, E-2, 1981, pp. 1-10			
	101.	PELLY, B. et al., "Power MOSFETs Take the Load Off Switching Supply Design," Electronic Design, February 1983, pp. 135-139			
	102.	RIEZENMAN, M., "5-W DC-DC Converters Aim at Telecomm Applications," Electronic Design, July 1983, p. 227			
	103.	"Combined Switch-Mode Power Amplifier and Supply," IBM Technical Disclosure Bulletin, Vol. 28, No. 3, August 1985, pp. 1193-1195			
	104.	"Off-Line Power Supply Control Technique Using A Single Transformer To Feed Back Three Control Signals," IBM Technical Disclosure Bulletin, Vol. 32, No. 8A, January 1990, pp. 272-274			
	105.	"Tiny Switch Family," Power Integrations, Inc., TNY253/254/255 product information, pp. 1-16, June 1998			

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